

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------|---|----|----|----------------------------|---------------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | <i>Complete if Known</i> | |
| | | | | Application Number | 10/809,538 |
| | | | | Filing Date | 2004-03-24 |
| | | | | First Named Inventor | SUTIVONG; Arak |
| | | | | Art Unit | 2464 |
| | | | | Examiner Name | PATEL, CHANDRAHAS B |
| Sheet | 1 | of | 11 | Attorney Docket No: 030226 | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|---------------------------------------------|-----------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | 001 | US2149518 | 03-07-1939 | FRANK SR THOMAS. | |
| | 002 | US5280472 | 01-18-1994 | GILHOUSEN; Klein S. et al. | |
| | 003 | US5394433 | 02-28-1995 | BANTZ; David F. et al. | |
| | 004 | US5535214 | 07-09-1996 | SHIOBARA; Yasuhisa | |
| | 005 | US5544156 | 08-06-1996 | TEDER; Paul M. et al. | |
| | 006 | US5592470 | 01-07-1997 | RUDRAPATNA; Ashok N. et al. | |
| | 007 | US5774809 | 06-30-1998 | TUUTIJARVI; Mika Jari Pietari et al. | |
| | 008 | US5781861 | 07-14-1998 | KANG; Chang-Soon et al. | |
| | 009 | US5857174 | 01-05-1999 | DUGAN; John W. | |
| | 010 | US5864760 | 01-26-1999 | GILHOUSEN; et al | |
| | 011 | US5875214 | 02-23-1999 | URBANIAK; Oliver et al. | |
| | 012 | US5966670 | 10-12-1999 | KESKITALO; Ilkka et al. | |
| | 013 | US6046980 | 04-04-2000 | PACKER; Robert L. | |
| | 014 | US6049716 | 04-11-2000 | JUNG; Jin-Soo | |
| | 015 | US6115357 | 09-05-2000 | PACKER; Robert L. et al. | |
| | 016 | US6134218 | 10-17-2000 | HOLDEN; Brian D. | |
| | 017 | US6195552 | 02-27-2001 | JEONG; Jin-Soo et al. | |
| | 018 | US6205129 | 03-20-2001 | ESTEVEZ; Eduardo A. S. et al. | |
| | 019 | US6208858 | 03-27-2001 | ANTONIO; Franklin P. et al. | |
| | 020 | US6233455 | 05-15-2001 | RAMAKRISHNA; Deepa et | |

EXAMINER SIGNATURE**DATE CONSIDERED**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------|---|----|----|----------------------------|---------------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | <i>Complete if Known</i> | |
| | | | | Application Number | 10/809,538 |
| | | | | Filing Date | 2004-03-24 |
| | | | | First Named Inventor | SUTIVONG; Arak |
| | | | | Art Unit | 2464 |
| | | | | Examiner Name | PATEL, CHANDRAHAS B |
| Sheet | 2 | of | 11 | Attorney Docket No: 030226 | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|---------------------------------------------|-----------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | | | | al. | |
| | 021 | US6363255 | 03-26-2002 | KUWAHARA; Soichi | |
| | 022 | US6414988 | 07-02-2002 | LING; Fuyun | |
| | 023 | US6425105 | 07-23-2002 | PIIRAINEN; Olli et al. | |
| | 024 | US6496496 | 12-17-2002 | RAMAKRISHNA; Deepa et al. | |
| | 025 | US6505058 | 01-07-2003 | WILLEY; W. Daniel | |
| | 026 | US6512925 | 01-28-2003 | CHEN; Tao et al. | |
| | 027 | US6532363 | 03-11-2003 | PUSSINEN; Arto | |
| | 028 | US6571101 | 05-27-2003 | SCHULZ; Egon | |
| | 029 | US6597913 | 07-22-2003 | NATARAJAN; Kadathur S. | |
| | 030 | US6654609 | 11-25-2003 | KIM; Dong-Hun | |
| | 031 | US6680925 | 01-20-2004 | WU; Qiang et al. | |
| | 032 | US6701151 | 03-02-2004 | DIACHINA; John W. et al. | |
| | 033 | US6741862 | 05-25-2004 | CHUNG; Sae-Young et al. | |
| | 034 | US6760303 | 07-06-2004 | BROUWER; Frank | |
| | 035 | US6816827 | 11-09-2004 | XIA; Yang et al. | |
| | 036 | US6865389 | 03-08-2005 | LEE; Bo et al. | |
| | 037 | US6904286 | 06-07-2005 | DANTU; Ramanamurthy | |
| | 038 | US7050406 | 05-23-2006 | HSU; Liangchi et al. | |
| | 039 | US7069038 | 06-27-2006 | HAKKINEN; Hannu et al. | |
| | 040 | US7103021 | 09-05-2006 | JOU; Yu-Cheun | |

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------|---|----|----|----------------------------|---------------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | <i>Complete if Known</i> | |
| | | | | Application Number | 10/809,538 |
| | | | | Filing Date | 2004-03-24 |
| | | | | First Named Inventor | SUTIVONG; Arak |
| | | | | Art Unit | 2464 |
| | | | | Examiner Name | PATEL, CHANDRAHAS B |
| Sheet | 3 | of | 11 | Attorney Docket No: 030226 | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|---------------------------------------------|-----------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | 041 | US7126930 | 10-24-2006 | PANKAJ; et al | |
| | 042 | US7277709 | 10-02-2007 | VADGAMA; Sunil Keshavji | |
| | 043 | US7289529 | 10-30-2007 | SHERMAN; Matthew J. | |
| | 044 | US7327716 | 02-05-2008 | FONG; Mo-Han et al. | |
| | 045 | US7336954 | 02-26-2008 | WANG; Jun et al. | |
| | 046 | US7447287 | 11-04-2008 | PARANTAINEN; Janne | |
| | 047 | US20020021683 | 02-21-2002 | HOLTZMAN; Jack et al. | |
| | 048 | US20020051432 | 05-02-2002 | SHIN; Yeong Jong | |
| | 049 | US20020136271 | 09-26-2002 | HIRAMATSU; Katsuhiko et al. | |
| | 050 | US20020137521 | 09-26-2002 | KIM; Min-Goo et al. | |
| | 051 | US20020150077 | 10-17-2002 | TEMERINAC; Miodrag | |
| | 052 | US20020160767 | 10-31-2002 | HANLY; Stephen Vaughan | |
| | 053 | US20020172192 | 11-21-2002 | HUNZINGER; Jason F. et al. | |
| | 054 | US20020183039 | 12-05-2002 | PADGETT; Jay et al. | |
| | 055 | US20030058822 | 03-27-2003 | JOU; Yu-Cheun | |
| | 056 | US20030083069 | 05-01-2003 | VADGAMA; Sunil Keshavji | |
| | 057 | US20030129981 | 07-10-2003 | KIM; Hye Ock | |
| | 058 | US20030137953 | 07-24-2003 | CHAE; Chan-Byoung et al. | |
| | 059 | US20030161340 | 08-28-2003 | SHERMAN; Matthew J. | |
| | 060 | US20030219037 | 11-27-2003 | TOSKALA; Antti et al. | |

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------|---|----|----|----------------------------|---------------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | <i>Complete if Known</i> | |
| | | | | Application Number | 10/809,538 |
| | | | | Filing Date | 2004-03-24 |
| | | | | First Named Inventor | SUTIVONG; Arak |
| | | | | Art Unit | 2464 |
| | | | | Examiner Name | PATEL, CHANDRAHAS B |
| Sheet | 4 | of | 11 | Attorney Docket No: 030226 | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|---------------------------------------------|-----------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | 061 | US20040013102 | 01-22-2004 | FONG; Mo-Han et al. | |
| | 062 | US20040101035 | 05-27-2004 | BOER; Jan et al. | |
| | 063 | US20040160922 | 08-19-2004 | NANDA; Sanjiv et al. | |
| | 064 | US20040162083 | 08-19-2004 | CHEN; Tao et al. | |
| | 065 | US20040162098 | 08-19-2004 | WEI; Yongbin et al. | |
| | 066 | US20040203973 | 10-14-2004 | KHAN; Farooq Ullah | |
| | 067 | US20040224711 | 11-11-2004 | PANCHAL; Rajendra A. et al. | |
| | 068 | US20040228349 | 11-18-2004 | VRZIC; Sophie et al. | |
| | 069 | US20050004970 | 01-06-2005 | JAIN; Avinash et al. | |
| | 070 | US20050254465 | 11-17-2005 | LUNDBY; Stein A. et al. | |
| | 071 | US20060019701 | 01-26-2006 | Jl; Tingfang | |
| | 072 | US20060128410 | 06-15-2006 | DERRYBERRY; Thomas R. et al. | |
| | 073 | US20060165126 | 07-27-2006 | PETERSSON; Justus et al. | |
| | | | | | |
| | | | | | |
| | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | |
|--------------------------|--------------------------|----------------------------|---------------------|----------------------------------------------------|---------------------------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where |

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------|---|----|----|----------------------------|---------------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | <i>Complete if Known</i> | |
| | | | | Application Number | 10/809,538 |
| | | | | Filing Date | 2004-03-24 |
| | | | | First Named Inventor | SUTIVONG; Arak |
| | | | | Art Unit | 2464 |
| | | | | Examiner Name | PATEL, CHANDRAHAS B |
| Sheet | 5 | of | 11 | Attorney Docket No: 030226 | |

| | | Country Code ³ - Number ⁴ Kind Code ⁵ (if known) | MM-DD-YYYY | | Relevant Passages or Relevant Figures Appear | T ⁶ |
|--|-----|-----------------------------------------------------------------------------------------|------------|-----------------------------------------------|-------------------------------------------------------|-------------------------------------|
| | 074 | CN1166094 | 11-26-1997 | mitsubishi denki k.k. | | <input checked="" type="checkbox"/> |
| | 075 | CN1263675 | 08-16-2000 | QUALCOMM INC. | | <input checked="" type="checkbox"/> |
| | 076 | EP0627827A2 | 12-07-1994 | CSELT CENTRO STUDI LAB TELECOM [IT] et al. | | <input type="checkbox"/> |
| | 077 | EP1231807A2 | 08-14-2002 | LG ELECTRONICS INC [KR] | | <input type="checkbox"/> |
| | 078 | EP1236471A2 | 09-04-2002 | ALCON LAB INC [US] | | <input type="checkbox"/> |
| | 079 | EP1257140A1 | 11-13-2002 | LUCENT TECHNOLOGIES INC [US] | | <input type="checkbox"/> |
| | 080 | JP2002-531992 | 09-24-2002 | QUALCOMM INCORPORATED . | | <input type="checkbox"/> |
| | 081 | JP2002026808A | 01-25-2002 | MATSUSHITA ELECTRIC IND CO LTD. | | <input checked="" type="checkbox"/> |
| | 082 | JP2002232943A | 08-16-2002 | SONY CORP. | | <input checked="" type="checkbox"/> |
| | 083 | JP200277984 | 03-15-2002 | TOSHIBA CORP. | | <input checked="" type="checkbox"/> |
| | 084 | JP2005505955 | 02-24-2005 | QUALCOMM INC [US] | | <input type="checkbox"/> |
| | 085 | KR0156478B1 | 11-16-1998 | LG ELECTRONICS INC [KR] | | <input type="checkbox"/> |
| | 086 | RU2120198C1 | 10-10-1998 | QUALCOMM INC [US] | | <input checked="" type="checkbox"/> |
| | 087 | RU2149518C1 | 05-20-2000 | EHRIKSSON INK. | | <input checked="" type="checkbox"/> |
| | 088 | WO00072622 | 11-30-2000 | QUALCOMM INC [US] | | <input type="checkbox"/> |
| | 089 | WO0008869A2 | 02-17-2000 | SAMSUNG ELECTRONICS CO LTD [KR] | | <input type="checkbox"/> |
| | 090 | WO01010159 | 02-08-2001 | HOTTINEN ARI [FI]. et al. | | <input type="checkbox"/> |
| | 091 | WO01024568 | 04-05-2001 | QUALCOMM INC [US] | | <input type="checkbox"/> |
| | 092 | WO02041531 | 05-23-2002 | QUALCOMM INC [US] | | <input type="checkbox"/> |

EXAMINER SIGNATURE**DATE CONSIDERED**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------|---|----|----|----------------------------|---------------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | <i>Complete if Known</i> | |
| | | | | Application Number | 10/809,538 |
| | | | | Filing Date | 2004-03-24 |
| | | | | First Named Inventor | SUTIVONG; Arak |
| | | | | Art Unit | 2464 |
| | | | | Examiner Name | PATEL, CHANDRAHAS B |
| Sheet | 6 | of | 11 | Attorney Docket No: 030226 | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|-----------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------|---------------------------------------------------------------------------|--------------------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | 093 | WO02065664A2 | 08-22-2002 | QUALCOMM INC [US] | | <input type="checkbox"/> |
| | 094 | WO02095960A2 | 11-28-2002 | QUALCOMM INC [US] | | <input type="checkbox"/> |
| | 095 | WO2005/015942 | 02-17-2005 | QUALCOMM INCORPORATED . | | <input type="checkbox"/> |
| | 096 | WO95007578 | 03-16-1995 | QUALCOMM INC [US] | | <input type="checkbox"/> |
| | 097 | WO95012297 | 05-04-1995 | QUALCOMM INC [US] | | <input type="checkbox"/> |
| | 098 | WO9701256A1 | 01-09-1997 | ERICSSON TELEFON AB L M [SE] | | <input type="checkbox"/> |
| | 099 | WO9835525A2 | 08-13-1998 | QUALCOMM INC [US] | | <input type="checkbox"/> |
| | 100 | WO9912282A1 | 03-11-1999 | ERICSSON TELEFON AB L M [SE] | | <input type="checkbox"/> |
| | | | | | | <input type="checkbox"/> |
| | | | | | | <input type="checkbox"/> |
| | | | | | | <input type="checkbox"/> |

| NON PATENT LITERATURE DOCUMENTS | | | | |
|---------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|
| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | T2 |
| | 101 | 3G TS 25.211 "Physical channels and mapping of transport channels onto physical channels (FDD)", Release 5, V5.0.0, March 2002. | | <input type="checkbox"/> |
| | 102 | 3G TS 25.212 "Multiplexing and channel coding (FDD)", Release 5, V5.0.0, March 2002. | | <input type="checkbox"/> |
| | 103 | 3G TS 25.213 "Spreading and modulation (FDD)", Release 5, V5.0.0, March 2002. | | <input type="checkbox"/> |
| | 104 | 3G TS 25.214 "Physical layer procedures (FDD)", Release 5, V5.0.0, March 2002. | | <input type="checkbox"/> |

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------|---|----|----|----------------------------|--|---------------------|--|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | <i>Complete if Known</i> | | | |
| | | | | Application Number | | 10/809,538 | |
| | | | | Filing Date | | 2004-03-24 | |
| | | | | First Named Inventor | | SUTIVONG; Arak | |
| | | | | Art Unit | | 2464 | |
| | | | | Examiner Name | | PATEL, CHANDRAHAS B | |
| Sheet | 7 | of | 11 | Attorney Docket No: 030226 | | | |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T2 |
| | 105 | 3GPP2 C.S0024: "cdma2000 High Rate Packet Data Air Interface Specification" 3GPP STANDARDS, 12 September 2000 (2000-09-12), XP002206456 cited in the application. | <input type="checkbox"/> |
| | 106 | CHAKRAVARTY S ET AL: "An Algorithm for Reverse Traffic Channel Rate Control for cdma2000 High Rate Packet Data Systems" IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE, 2001. Globecom 01. E. SAN ANTONIO, TX, NOV. 25 - 29, 2001, IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE, NEW YORK, NY : IEEE, US, VOL. 6 OF 6, 25 November 2001 (2001-11-25), pages 3733-3737, XP002277693. | <input type="checkbox"/> |
| | 107 | Gyung-Ho Hwang and Dong-Ho Cho, Distributed Rate Control for Throughput Maximization and QoS Support in WCDMA System, IEEE VTC, U.S. IEEE, October 7, 2001, vol. 3, pp. 1721-1725. | <input type="checkbox"/> |
| | 108 | International Preliminary Examination Report - PCT/US04/004791, IPEA 2/27/05. | <input type="checkbox"/> |
| | 109 | International Preliminary Examination Report - PCT/US04/025375, IPEA/US, 07-20-06. | <input type="checkbox"/> |
| | 110 | International Preliminary Examination Report - PCT/US04/04669, International Preliminary Examining Authority IPEA/US 05-21-08. | <input type="checkbox"/> |
| | 111 | International Preliminary Examination Report PCT/US2004/004788, IPEA/US 12/22/05. | <input type="checkbox"/> |
| | 112 | International Preliminary Report On Patentability - PCT/US04/006759, IPEA - US, 01-17-07. | <input type="checkbox"/> |
| | 113 | INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY - PCT/US04/04668 - INTERNATIONAL SEARCH AUTHORITY - IPEA/US - ALEXANDRIA, VIRGINIA - 07-06-06. | <input type="checkbox"/> |
| | 114 | INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY - PCT/US2004/004787, INTERNATIONAL SEARCH AUTHORITY - IPEA/US - ALEXANDRIA, VIRGINIA - 04-19-06. | <input type="checkbox"/> |
| | 115 | International Preliminary Report on Patentability PCT/US04/004786, IPEA/US 9/29/2006. | <input type="checkbox"/> |
| | 116 | International Preliminary Report on Patentability PCT/US2004/004790, IPEA/US, 10/02/06. | <input type="checkbox"/> |
| | 117 | International Preliminary Report on Patentability PCT/US2004/004792, IPEA/US, 6/21/06. | <input type="checkbox"/> |
| | 118 | International Search Report - PCT/US04/004787, International Search Authority - European Patent Office, 09-13-04. | <input type="checkbox"/> |
| | 119 | International Search Report - PCT/US04/004788, International Search Authority - | <input type="checkbox"/> |

EXAMINER SIGNATURE**DATE CONSIDERED**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------|---|----|----|----------------------------|---------------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | <i>Complete if Known</i> | |
| | | | | Application Number | 10/809,538 |
| | | | | Filing Date | 2004-03-24 |
| | | | | First Named Inventor | SUTIVONG; Arak |
| | | | | Art Unit | 2464 |
| | | | | Examiner Name | PATEL, CHANDRAHAS B |
| Sheet | 8 | of | 11 | Attorney Docket No: 030226 | |

| NON PATENT LITERATURE DOCUMENTS | | | | |
|---------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--|
| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T2 | |
| | | European Patent Office - 09-24-2004. | | |
| | 120 | International Search Report - PCT/US04/004791, International Search Authority - European Patent Office, 11/18/04. | <input type="checkbox"/> | |
| | 121 | International Search Report - PCT/US04/04669, International Search Authority - European Patent Office - 07-27-2004. | <input type="checkbox"/> | |
| | 122 | International Search Report, PCT/US04/007015, International Search Authority, European Patent Office, 11/16/04 (030223WO). | <input type="checkbox"/> | |
| | 123 | International Search Report, PCT/US04/025375, ISA-EPO 12/22/04. | <input type="checkbox"/> | |
| | 124 | International Search Report, PCT/US2004/004790 International Search Authority European Patent Office 03/07/05. | <input type="checkbox"/> | |
| | 125 | International Search Report, PCT/US2004/004792 International Search Authority European Patent Office 11/8/04. | <input type="checkbox"/> | |
| | 126 | INTERNATIONAL SEARCH REPORT-PCT/US04/004668, INTERNATIONAL SEARCH AUTHORITY-EUROPEAN PATENT OFFICE-9/27/04. | <input type="checkbox"/> | |
| | 127 | International Search Report-PCT/US04/004786, International Search Authority-European Patent Office 2/14/05. | <input type="checkbox"/> | |
| | 128 | International Search Report-PCT/US04/006759, International Search Authority-European Patent Office-11/05/04. | <input type="checkbox"/> | |
| | 129 | "Mobile Station-Base Station Compatibility Standard for Wideband Spread Spectrum Cellular Systems," TIA/EIA Interim Standard, February 3, 1999, XP002145331, pp. 6-380,6 (TIA/EIA-95-B). | <input type="checkbox"/> | |
| | 130 | NADAGOPAL T., et al., "SERVICE DIFFERENTIATION THROUGH END-TO-END RATE CONTROL IN LOW BANDWIDTH WIRELESS PACKET NETWORKS," 1999. IEEE INTERNATIONAL WORKSHOP. SAN DIEGO CA USA 15-17 NOV 99, MOBILE MUTLIMEDIA COMMUNICATIONS 1999, 211-220. | <input type="checkbox"/> | |
| | 131 | "The cdma2000 ITU-R RTT Candidate Submission (0.18)," Telecommunications Industry Association TIA, July 27, 1998, XP002294165, pp. 1-145. | <input type="checkbox"/> | |
| | 132 | TIA/EIA/IS-856-1;"CDMA2000 HIGH RATE PACKET DATA AIR INTERFACE SPECIFICATION" ADDENDUM 1 (2002-01). | <input type="checkbox"/> | |
| | 133 | TIA/EIA-95; "MOBILE STATION- BASE STATION COMPATIBILITY STANDARD FOR WIDEBAND SPREAD SPECTRUM CELLUAR SYSTEMS"(1999-03). | <input type="checkbox"/> | |

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------|---|----|----|----------------------------|---------------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | <i>Complete if Known</i> | |
| | | | | Application Number | 10/809,538 |
| | | | | Filing Date | 2004-03-24 |
| | | | | First Named Inventor | SUTIVONG; Arak |
| | | | | Art Unit | 2464 |
| | | | | Examiner Name | PATEL, CHANDRAHAS B |
| Sheet | 9 | of | 11 | Attorney Docket No: 030226 | |

| NON PATENT LITERATURE DOCUMENTS | | | | |
|---------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--|
| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T2 | |
| | 134 | TIA/EIA-IS-2000 Release C, May 2002. (6-Part document). | <input type="checkbox"/> | |
| | 135 | "Universal Mobile Telecommunications System (UMTS); Physical channels and mapping of transport channels onto physical channels (FDD) (3GPP TS 25.211 version 5.3.0 Release 5)", ETSI TS 125 211 v 5.3.0 (2002-12), December 2002, Pages 1-52. | <input type="checkbox"/> | |
| | 136 | Written Opinion - PCT/US04/004791, International Search Authority - European Patent Office, 11/18/2004 (030242D1). | <input type="checkbox"/> | |
| | 137 | Written Opinion - PCT/US04/006759, International Search Authority - European Patent Office, 11-05-04. | <input type="checkbox"/> | |
| | 138 | Written Opinion - PCT/US04/025375, International Search Authority - European Patent Office, 12-22-04. | <input type="checkbox"/> | |
| | 139 | WRITTEN OPINION - PCT/US2004/004787, INTERNATIONAL SEARCH AUTHORITY - EUROPEAN PATENT OFFICE -09-13-04. | <input type="checkbox"/> | |
| | 140 | Written Opinion - PCT/US04/007015, International Searching Authority - European Patent Office, 11-16-04 (030223C1). | <input type="checkbox"/> | |
| | 141 | WRITTEN OPINION -PCT/US04/004668, INTERNATIONAL SEARCH AUTHORITY-EUROPEAN PATENT OFFICE-9/27/04. | <input type="checkbox"/> | |
| | 142 | Written Opinion PCT/US04/004786, International Search Authority European Patent Office 2/10/05. | <input type="checkbox"/> | |
| | 143 | Written Opinion PCT/US04/04669 International Search Authority European Patent Office - 07-27-04. | <input type="checkbox"/> | |
| | 144 | Written Opinion PCT/US2004/004788, International Search Authority European Patent Office 8/15/05. | <input type="checkbox"/> | |
| | 145 | Written Opinion, PCT/US2004/004790 International Search Authority European Patent Office 03/07/05. | <input type="checkbox"/> | |
| | 146 | Written Opinion PCT/US2004/004792, International Search Authority European Patent Office 8/18/05. | <input type="checkbox"/> | |
| | 147 | Young-Joo Song et al. "Rate-control Snoop : A Reliable Transport Protocol for Heterogeneous Networks with Wired and Wireless Links", IEEE Proceedings 2003, vol. 2, Mar. 16, 2003, pp. 1334-1338. cited by other . | <input type="checkbox"/> | |
| | 148 | YOUNG-UK CHUNG et al, "An Efficient Reverse Link Data Rate Control Scheme for 1xEV-DV System," IEEE 54TH. Vehicular Technology Conference Proceedings. Atlantic City, NJ, Oct. 7-11, 2001. IEEE, US. Vol 1 of 4, Conf. 54, October 10, 2001, pages 820-823. | <input type="checkbox"/> | |

EXAMINER SIGNATURE**DATE CONSIDERED**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----------------------------|---------------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | <i>Complete if Known</i> | |
| | | | | Application Number | 10/809,538 |
| | | | | Filing Date | 2004-03-24 |
| | | | | First Named Inventor | SUTIVONG; Arak |
| | | | | Art Unit | 2464 |
| | | | | Examiner Name | PATEL, CHANDRAHAS B |
| Sheet | 10 | of | 11 | Attorney Docket No: 030226 | |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T2 |
| | 149 | SKLAR, "DIGITAL COMMUNICATIONS, FUNDAMENTALS AND APPLICATIONS", 4 pages, 2001, Prentice-Hall PTR, Upper Saddle River, New Jersey, USA. | |

EXAMINER SIGNATURE**DATE CONSIDERED**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.